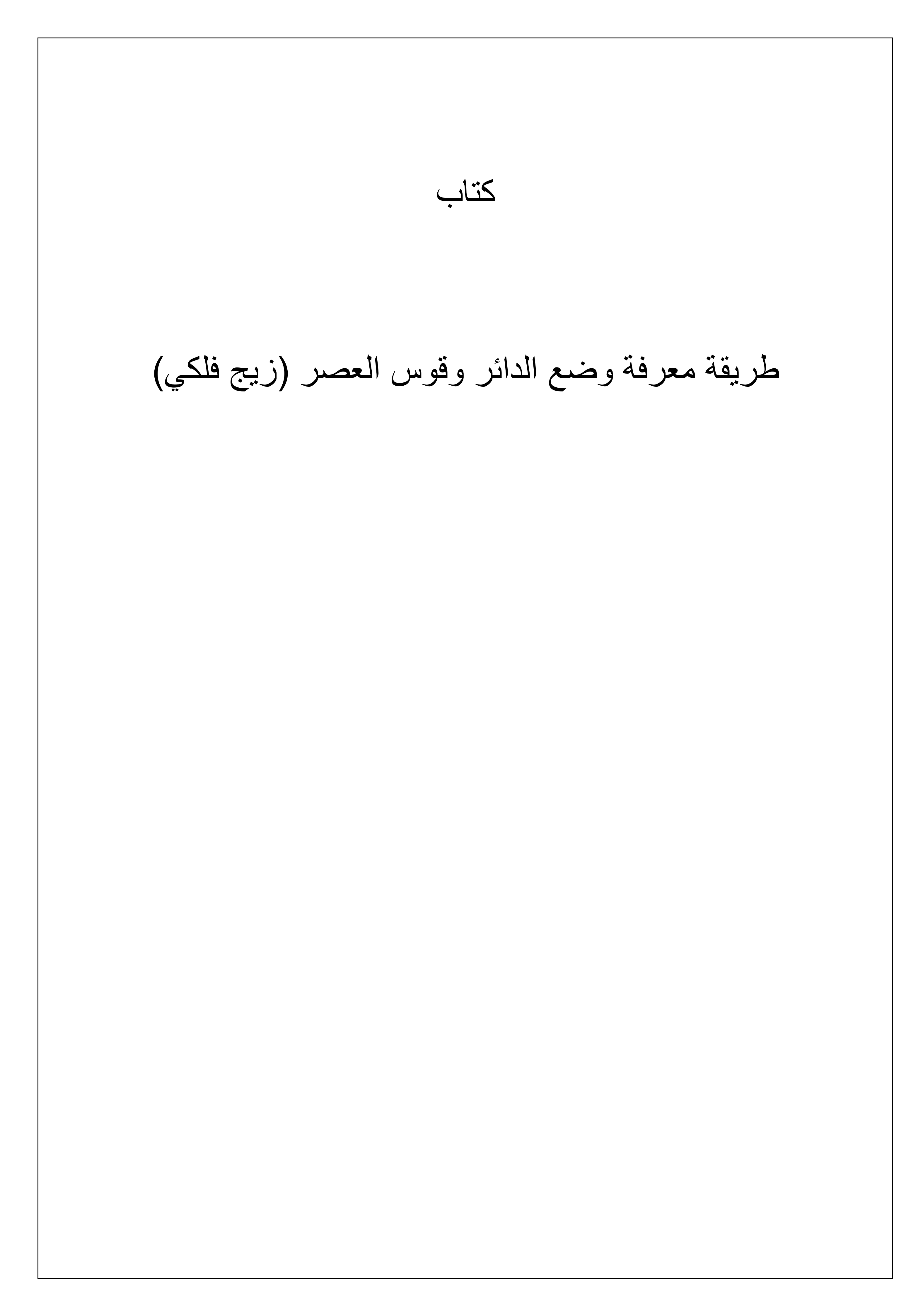
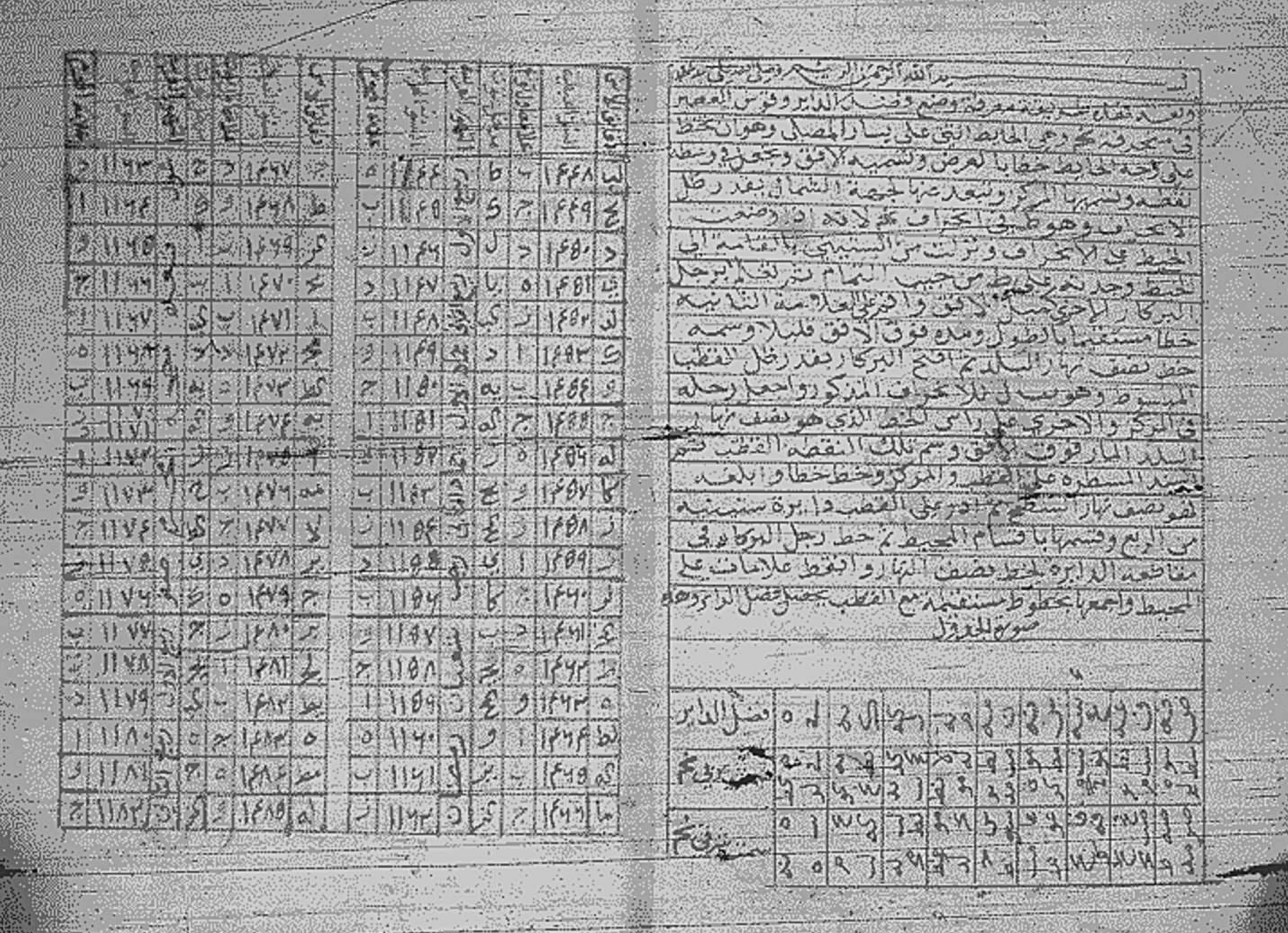


كتاب

طريقة معرفة وضع الدائر وقوس العصر (زيج فلكي)



بسم الله الرحمن الرحيم وصلى الله على سيدنا محمد

وبعد فهذه نبذة في معرفة وضع فضل الدائر وقوس العصر في معرفة … على الحائط التي على يسار المصلي وهو أن تخط على وجه الحائط خطا بالعرض وتسميه الأفق وتجعل في وسطه نقطة وتسميها المركز وتبعد عنها لجهة الشمال بقدر رجل البركار وهو … في انحراف … لأنه إذا وضعت الخيط على الانحراف ونزلت من السنبيتي بالقامة إلى الخط وجدته … من جيب التمام ثم … البركار الأخرى على الأفق وأدر على العلامة الثانية خطا مستقيما بالطول ومده فوق الأفق قليلا وسمه خط نصف نهار البلد ثم افتح البركار بقدر رجل القطب المبسوط وهو … المذكور واجعل رجله في المركز والأخرى على رأس الخط الذي هو نصف نهار البلد المار فوق الأفق وسم تلك النقطة القطب ثم ضع المسطرة على القطب والمركز وخط خطا وابعد عن نصف نهار … ثم أدر على القطب دائرة ستينية من الربع وقسمها بأقسام المحيط ثم خط رجل البركار في مقاطعة الدائرة لخط نصف النهار وانقط علامات على المحيط واجمعها بخطوط مستقيمة مع القطب يحصل فضل الدائر وهذه

صورة الجدول

فضل الدائر	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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لح	١٦٤٩	ج	ى	[illegible]	١١٤٥	ب
د	١٦٥٠	د	ل	[illegible]	١١٤٦	ب
يا	١٦٥١	ه	يا	[illegible]	١١٤٧	د
لى	١٦٥٢	ز	كب	[illegible]	١١٤٨	ب
ك	١٦٥٣	ا	د	[illegible]	١١٤٩	و
و	١٦٥٤	ب	يه	[illegible]	١١٥٠	ج
ج	١٦٥٥	ج	كه	[illegible]	١١٥١	ا
له	١٦٥٦	ه	ز	[illegible]	١١٥٢	[illegible]
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ز	١٦٥٨	ز	كج	[illegible]	١١٥٤	ز
ب	١٦٥٩	ا	ى	[illegible]	١١٥٥	د
لو	١٦٦٠	ج	كا	[illegible]	١١٥٦	ب
يح	١٦٦١	د	ب	[illegible]	١١٥٧	ز
لط	١٦٦٢	ه	يح	[illegible]	١١٥٨	ج
ه	١٦٦٣	و	كح	[illegible]	١١٥٩	ا
لط	١٦٦٤	ا	و	[illegible]	١١٦٠	ه
كه	١٦٦٥	ب	يز	[illegible]	١١٦١	ب
ما	١٦٦٦	ج	كب	[illegible]	١١٦٢	ز

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كو	١٦٦٩	ز	ا	[illegible]	١١٦٥	و
يح	١٦٧٠	ا	ب	[illegible]	١١٦٦	ج
ا	١٦٧١	ب	كى	[illegible]	١١٦٧	ا
يح	١٦٧٢	ج	ح	[illegible]	١١٦٨	ه
كط	١٦٧٣	د	يه	[illegible]	١١٦٩	ب
يو	١٦٧٤	ه	كو	[illegible]	١١٧١	ز
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لا	١٦٧٧	ج	كط	[illegible]	١١٧٤	ج
يز	١٦٧٨	د	ى	[illegible]	١١٧٥	ز
ج	١٦٧٩	ه	كا	[illegible]	١١٧٦	ه
كز	١٦٨٠	ز	ج	[illegible]	١١٧٧	ب
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مص	١٦٨٤	ه	ج	[illegible]	١١٨١	و
ا	١٦٨٥	و	كو	[illegible]	١١٨٢	ج

جدول الاوقات

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		ج	نط	سى	سا	سب
	ح ى	ح ى	ح ى	ح ى	ح و	ح ى
ا	يطو	سو	و و	[illegible]	ه	ه
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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ا	[illegible]	ب	ب	ا	لا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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ر	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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جدول غاية ارتفاع الشمس وقت الزوال [illegible]

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د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ك	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	١٤١٠	ج	ح		١١٠٥	ج
كط	١٤١١	د	يط		١١٠٦	ز
يه	١٤١٢	ه	ل		١١٠٧	ه
ا	١٤١٣	ز	يا		١١٠٨	ب
كو	١٤١٤	ا	كب		١١٠٩	و
يب	١٤١٥	ب	ج		١١١٠	ج
كو	١٤١٦	د	يد		١١١١	ا
ب	١٤١٧	ه	كو		١١١٢	ه
يب	١٤١٨	ز	و		١١١٣	ج
كو	١٤١٩	ز	يز		١١١٤	ز
يح	١٤٢٠	ب	كح		١١١٥	د
د	١٤٢١		ي		١١١٦	ب
كب	١٤٢٢	د	كا		١١١٧	و
كد	١٤٢٣	ه	ا		١١١٨	د
كح	١٤٢٤	ب	لح		١١١٩	ا
و	١٤٢٥	ا	كج		١١٢٠	ه
ح	١٤٢٦	ب	ه		١١٢١	ج
ك	١٤٢٧	ج	يو		١١٢٢	ز
كو	١٤٢٨	ه	كح		١١٢٣	د

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	١٤٢٩	و	ح		١١٢٦	ب
م	١٤٣٠	ز	يط		١١٢٦	و
ه	١٤٣١	ا	كط		[illegible]	د
كه	١٤٣٢	ح	يب		١١٢٧	ا
ي	١٤٣٣	د	كج		١١٢٨	ه
ج	١٤٣٤	ه	ج		١١٢٩	ج
ج	١٤٣٥	و	يد		١١٣٠	ب
كد	١٤٣٦	ا	كو		١١٣١	و
ب	١٤٣٧	ب	ز		١١٣٢	ب
ب	١٤٣٨	ج	يح		١١٣٣	و
ب	١٤٣٩	د	كط		١١٣٤	ج
كح	١٤٤٠	و	ي		١١٣٥	ا
يد	١٤٤١	ز	كا		١١٣٦ ١١٣٧	ه ج
ك	١٤٤٢	ا	ب		١١٣٨	ز
يو	١٤٤٣	ب	يج		١١٣٩	د
ل	١٤٤٤	د	كد		١١٤٠	ب
يو	١٤٤٥	ه	ه		[illegible]	و
ب	١٤٤٦	و	يو		[illegible]	ج
ب	١٤٤٧	ز	كو		١١٤٢	ا

جدول الميل الثاني [illegible]

[illegible]	سنبلة / حمل	اسد / ثور	سرطان / جوزا
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[illegible]	[illegible]	[illegible]	[illegible]
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سنبلة / حمل	اسد / ثور	[illegible] / جوزا	[illegible]
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جدول نصف قوس النهار [illegible]

[illegible]	حمل	ثور	جوزا	ميزان	عقرب	قوس	[illegible]
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جدول ارتفاع العصر يعني [illegible] شمال حسابا الشيخ محمد قطب المحلي

عدد الدرج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	عدد الدرج
	حمل	ثور	جوزا	ميزان	عقرب	قوس	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

جدول مابين الظهر والعصر يعني لا [illegible] شمال [illegible] حساب الشيخ محمد قطب المحلي

عدد الدرج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	حمل	ثور	جوزا	ميزان	عقرب	قوس	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

جدول ما بين الغروب و مغيب الشفق ... حساب الشيخ محمود ...

عدد البروج	قوس	عقرب	ميزان	جوزا	ثور	حمل	عدد البروج
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

جدول ما بين العرض و المغيب لعرض ... شمال حساب الشيخ محمود ...

عدد البروج	قوس	عقرب	ميزان	جوزا	ثور	حمل	عدد البروج
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

جدول حصة ليل الصادق لعرض [illegible] شمالا حساب الشيخ محمود [illegible]

درج البروج	حمل	ثور	جوزا		ميزان	عقرب	قوس	درج البروج
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

جدول جري الليل لعرض [illegible] شمالا حساب الشيخ محمود [illegible]

درج البروج	حمل	ثور	جوزا		ميزان	عقرب	قوس	درج البروج
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]

جدول المطالع البلدية وهي مطالع مركز الشمس على الافق ...

درج	حمل	ثور	جوزا	سرطان	اسد	سنبله
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ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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يط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ك	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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كج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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كط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

بقية المطالع البلدية حساب الشيخ محمود قطب ... المطالع البلدية

درج	ميزان	عقرب	قوس	جدي	دلو	حوت
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ك	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] المطالع [illegible] الصادق لعرض [illegible] شمال حساب [illegible]

عدد البروج	حمل	ثور	جوزا	سرطان	اسد	سنبله
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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يط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

بقية مطالع الفلك الصادق لعرض [illegible] شمال [illegible]

عدد البروج	ميزان	عقرب	قوس	جدي	دلو	حوت
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ك	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

جدول المطالع الفلكية مستغنى عليها من اول الجدي وتسمى مطالع الزوال

	جدي		حوت		ثور	
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] ان الميل [illegible] ومطالع نصف الليل [illegible] وتسمى مطالع [illegible] [illegible]

	سرطان		سنبلة		عقرب	
ا	قفا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	قفب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	قفج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	قفد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	قفه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	قفو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	قفز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	قفح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	قفط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

جدول معرفة الكواكب الثابتة وتحرير مطالعها وابعادها وافتراقها

اسماء الكواكب	[illegible]	[illegible]	[illegible]	اسماء الكواكب	[illegible]	[illegible]	[illegible]
الراس وهو قبة النجم	١	٢	ح	نير سعد السعود	جح	٣	ح
[illegible] الراس لوالقه	[illegible]			سعد ناشرة			
النعايم الصادرة	٢			نير الفرس وهي الجراب			ش
ثالث النعايم الصادرة				ذنب [illegible]			ح
وسط النسر [illegible]				نير سعد الملك			
الخارج عن [illegible]				سعد الاخبية			
منقار الدجاجة				احد من الاخبية			ح
النسر الطاير				منطق			ش
عنق الفرس	٣			المقدم الاول	١		ح
جنوبي [illegible]			ح	شمالي الحوت	م	٣	ش
[illegible]				شمالي راس السمكة	٣		
صدر الجاثي			ش	متقدم ظهر السمكة المتقدمة			
اول [illegible]	٣			ثاني ظهر السمكة المتقدمة			
[illegible] الردف	٢		ش	ذنب السمكة المتقدمة			
ظهر الجدي	٣		ح	شمالي [illegible] المؤخر	٣		
[illegible]			ش	جنوبي الذنب المؤخر	١		ش

وكذلك لاول سنة احدى وستين والف من الهجرة النبوية على صاحبها افضل الصلوات

اسماء الكواكب	[illegible]	القدر	[illegible]	[illegible]		اسماء الكواكب	[illegible]	القدر	[illegible]	[illegible]
الشعرى الشمالي من [illegible]	[illegible]	٣	[illegible]	ح		عناق الثريا	[illegible]	٣	[illegible]	ش
ما يلي [illegible] المسلسلة	[illegible]		[illegible]	ش		صدر الثور	[illegible]		[illegible]	
المقدم الثاني	[illegible]	٣	[illegible]	ح		منخر الثور	[illegible]	٣	[illegible]	
خفيفات الكرسي	[illegible]	٣	[illegible]	ش		نير الدبران	[illegible]	١	[illegible]	
الرشا وهو بطن الحوت	[illegible]	٣	[illegible]	ش		[illegible] الجوزا	[illegible]	٣	[illegible]	
ثاني النعامات	[illegible]	٣	[illegible]	ح		ثامن تاج الجوزا	[illegible]	١	[illegible]	ش
وسط [illegible]	[illegible]		[illegible]	ش		العيوق	[illegible]	١	[illegible]	ح
ثالث النعامات / رابع النعامات	[illegible]	٣	[illegible]	ح		رجل الجوزا اليسرى	[illegible]	٣	[illegible]	
[illegible] وهو قمر الثريا	[illegible]		[illegible]	ش		كعب ذي العنان اليمين	[illegible]		[illegible]	ش
اخر المثلث	[illegible]		[illegible]			منكب الجوزا الايسر	[illegible]		[illegible]	ح
[illegible] قيطس	[illegible]		١١	ح		اول [illegible]	[illegible]		[illegible]	
ساعد الثريا	[illegible]	٣	[illegible]	ش		ثاني النطق	[illegible]	٣	[illegible]	ح
الدبران وهو [illegible]	[illegible]	١	[illegible]	ح		ثالث النطق	[illegible]	١	[illegible]	ش
نير راس الغول	[illegible]	٣	[illegible]	ش		منكب الجوزا الايمن	[illegible]	٢	[illegible]	
مرفق الثريا	[illegible]	٣	[illegible]			منكب ذي العنان الايسر	[illegible]	٣	[illegible]	
[illegible] الثريا	[illegible]	٣	[illegible]	ش		ثالث [illegible]	[illegible]	٣	[illegible]	ش

جدول انصاف اقطار المدارات الموازية لمعدل النهار

الميل	انصاف الاقطار				انصاف الاقطار		الميل	انصاف الاقطار	
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
لا	ه	[illegible]	نو	[illegible]	[illegible]	ك	[illegible]	[illegible]	[illegible]

صح صح صح

وهي بزيادة ثلاث درجات وثلث دقيقة على ما هو في زيج الغ بيك

اسماء الكواكب	المطالع	القدر	العرض	المزاج	اسماء الكواكب	المطالع	القدر	العرض	المزاج
مرزم الشعرى اليمانية	[illegible]	٣	[illegible]	ح	سهيل رقاشي	[illegible]	٢	[illegible]	ح
سهيل اليمن	[illegible]	١	[illegible]		جنوبي راس الاسد	[illegible]	٣	[illegible]	ش
العقد الاوسط وهو العنق	[illegible]	٣	[illegible]	ش	شمالي راس الاسد	[illegible]		[illegible]	
الشعرى اليمانية	[illegible]	١	[illegible]	ح	قلب الاسد الملكي	[illegible]	١	[illegible]	
اول العذارى	[illegible]	٣	[illegible]		منكب الاسد وهو الجبهة	[illegible]	٢	[illegible]	ش
ثالث العذارى	[illegible]		[illegible]		رابع الشراسيف	[illegible]	٣	[illegible]	ح
رابع العذارى	[illegible]	[illegible]	[illegible]	ح	خامس الشراسيف	[illegible]		[illegible]	
اولى الذراع المبسوطة	[illegible]	٣	[illegible]	ش	سادس الشراسيف	[illegible]		[illegible]	
الشعرى الشامية الغميصاء	[illegible]	[illegible]	[illegible]		قاعدة [illegible]	[illegible]	٣	[illegible]	ح
ثاني الذراع	[illegible]	٣	[illegible]	ش	ظهر الاسد وهو الزبرة	[illegible]	٣	[illegible]	ش
سهيل حضار	[illegible]		[illegible]	ح	[illegible] الاسد	[illegible]	٣	[illegible]	ش
سهيل الوزن	[illegible]	٣	[illegible]		تاسع الشراسيف	[illegible]		[illegible]	ح
[illegible]	[illegible]	٤	[illegible]		ذنب الاسد وهو الصرفة	[illegible]	١	[illegible]	ش
مقدم [illegible] السفينة	[illegible]		[illegible]		منقار الغراب	[illegible]	[illegible]	[illegible]	ح
وسط [illegible] السفينة	[illegible]	٣	[illegible]		جناح الغراب الايمن	[illegible]	٣	[illegible]	
سهيل الفرد	[illegible]	٣	[illegible]	ح	جناح الغراب الايسر	[illegible]	٣	[illegible]	

مقنطرات خط الاستواء ساعات يب لمقارة ك

البروج	ساعات [illegible]	ارتفاعات [illegible]	الطالع	ابعاد [illegible]	[illegible]	ح	ابعاد [illegible]	اظلال الاقدام
الحمل	[illegible]	[illegible]	[illegible]	[illegible]	طالب	مس	كد	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

حمل ثور جوزاء

ايام	اجزاء المطالع		ش	اجزاء المطالع		ح	اجزاء المطالع	
	ج	قـ		ج	قـ		ج	قـ
ا	[illegible]	له		كج	مز		كج	مجـ
ب	ا	نه		[illegible]	مه		نط	نه
[illegible]	[illegible]	مه		لا	كح		سو	كج
[illegible]	ح	مد		لا	[illegible]		سا	ح
ه	ى	لد		لـ	كح		[illegible]	به
[illegible]	ه	لو		[illegible]	لو		[illegible]	[illegible]
[illegible]	و	كد		لد	له		[illegible]	[illegible]
ح	ر	يط		له	[illegible]		سو	[illegible]
[illegible]	ح	له		لو	لا		سو	لد
ى	يط	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	ه		[illegible]	كط		[illegible]	[illegible]
[illegible]	يا	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	يا	[illegible]		[illegible]	[illegible]		[illegible]	لا
[illegible]	[illegible]	نا		ما	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	مو		[illegible]	كر		[illegible]	[illegible]
[illegible]	لا	[illegible]		[illegible]	كر		عد	[illegible]
[illegible]	له	لد		[illegible]	كر		[illegible]	نه
[illegible]	يو	[illegible]		مه	كر		[illegible]	نه
[illegible]	[illegible]	[illegible]		مو	كر		[illegible]	[illegible]
[illegible]	[illegible]	له		[illegible]	كر		[illegible]	ه
[illegible]	وط	[illegible]		[illegible]	[illegible]		فـ	[illegible]
[illegible]	[illegible]	مه		[illegible]	[illegible]		فا	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	لا		[illegible]	[illegible]
[illegible]	[illegible]	ط		[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	كو		[illegible]	لد		فد	[illegible]
[illegible]	له	[illegible]		[illegible]	لد		فه	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		فو	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	له
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]

سنبله اسد سرطان

مقنطرات عرض ١٦ ساعاته يه سه يح

اضافة الاقطار	ابعاد المركز	[illegible]	اضافة الاقطار	ابعاد المركز	[illegible]	اضافة الاقطار	ابعاد المركز	الحجم
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	افق
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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مسطره ل سم

مقنطرات عرض ١٦ ساعاته نكه

اضافة الاقطار	ابعاد المركز	[illegible]	اضافة الاقطار	ابعاد المركز	[illegible]	اضافة الاقطار	ابعاد المركز	الحجم
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	افق
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ا
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

نصف قطر الجدی

نصف قطر الحمل

نصف قطر السرطان

بعد مرکز المنطقة

[illegible]

مقنطرات العرض كه ساعاته يو

العدد	ارتفاعات الكواكب في الافق	العرض	ارتفاعات الكواكب في الافق	العرض	ارتفاعات الكواكب والنصف
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مثلث ساعاته كح

العدد	ارتفاعات الكواكب في الافق	العرض	ارتفاعات الكواكب	انصاف الافق	العرض	ارتفاعات الكواكب في النصف
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض ك ساعاته يح ند

العدد	ابعاد المراكز	انصاف الاقطار	[illegible]	ابعاد المراكز	انصاف الاقطار	[illegible]	ابعاد المراكز	انصاف الاقطار

مقنطرات عرض يط ساعاته يح ے

العدد	ابعاد المراكز	انصاف الاقطار	[illegible]	ابعاد المراكز	انصاف الاقطار	[illegible]	ابعاد المراكز	انصاف الاقطار

مقنطرات عرض کا ساعاته کح کج

ارتفاع	ابعاد المراکز (?)	انصاف الاقطار (?)	[illegible]	ابعاد المراکز (?)	انصاف الاقطار (?)	[illegible]	ابعاد المراکز (?)	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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مقنطرات عرض کب ساعاته کح کب

ارتفاع	[illegible]	[illegible]	[illegible]	ابعاد المراکز (?)	انصاف الاقطار (?)	[illegible]	ابعاد المراکز (?)	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض كه ساعاته يح كز

مقنطرات عرض كد ساعاته يح لا

مقنطرات لعرض لب د ساعاته يح كو

درج	ابعاد المركز	انصاف الاقطار	درج	ابعاد المركز	انصاف الاقطار	درج	ابعاد المركز	انصاف الاقطار
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ك	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات لعرض لو ه ساعاته يح م

درج	ابعاد المركز	انصاف الاقطار	درج	ابعاد المركز	انصاف الاقطار	درج	ابعاد المركز	انصاف الاقطار
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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يه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ك	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كو	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
كط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ل	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض كر ساعاته يح مد

العدد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض كه ساعاته يح مط

العدد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مسطرة

مقطرات مرئي لـ ساعات به ح ح

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقطرات مرئي لـ ساعات به ح ح

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

مقنطرات عرض لا ساعاته ند ح

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لب ساعاته ند ح

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لح ساعاته يد كح

العدد	ابعاد ما بين المركزين	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لد ساعاته يد نط

العدد	ابعاد ما بين المركزين	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لو ساعاته ند ل

[illegible]	[illegible]	ابعاد المراكز	[illegible]	[illegible]	ابعاد المراكز	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض له ساعاته ند كه

[illegible]	ابعاد المراكز	[illegible]	[illegible]	ابعاد المراكز	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لج ساعاته ند

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ابعاد المراكز	السمت
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لز ساعاته تدلو

السمت	ابعاد المراكز	انصاف الاقطار	السمت	ابعاد المراكز	انصاف الاقطار	السمت	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لط ساعاته يد مج

المقنطرة	ابعاد مطالع الكرة	انصاف [illegible]	مراكز	ابعاد [illegible]	انصاف الاقطار	مراكز	ابعاد [illegible]	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض م ساعاته يد ند

المقنطرة	ابعاد [illegible]	انصاف الاقطار	مراكز	ابعاد [illegible]	انصاف الاقطار	مراكز	ابعاد [illegible]	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض لب ساعاته يه ز

العدد	ابعاد المراكز	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مآ ساعاته يه آ

العدد	ابعاد المراكز	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار	العدد	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مح ساعاته يه يه

المقنطرات	ابعاد السمت [illegible]	انصاف الاقطار	سمت	ابعاد المراكز	انصاف الاقطار	[illegible]	سمت	ابعاد المراكز	ارتفاع الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مد ساعاته يه ك

المقنطرات	ابعاد المراكز	انصاف الاقطار	[illegible]	ابعاد المراكز	انصاف الاقطار	[illegible]	ابعاد المراكز	انصاف الاقطار	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مه ساعاته يه ل

العدد	ابعادها من المركز	اضلاع الاقطار	[illegible]	ابعادها من المركز	اضلاع الاقطار	[illegible]	ابعادها من المركز	اضلاع الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مو ساعاته يه لج

العدد	ابعادها من المركز	اضلاع الاقطار	[illegible]	ابعادها من المركز	اضلاع الاقطار	ساعاتها	ابعادها من المركز	اضلاع الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

وفق

مقنطرات عرض مح ساعاته نه نه

العدد	ابعاد المراكز	انصاف الاقطار	مراكز	ابعاد المراكز	انصاف الاقطار	مراكز	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مز ساعاته نه مو

العدد	ابعاد المراكز	انصاف الاقطار	مراكز	ابعاد المراكز	انصاف الاقطار	مراكز	ابعاد المراكز	انصاف الاقطار
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مط ساعاته تو ك

العدد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ي	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
يب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

مقنطرات عرض مه ساعاته تو مد

العدد	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ا	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ب	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ج	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
د	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ه	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
و	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ز	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ح	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ط	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

هذه الاعمال الواقعة في سمت الشرق انصاف اقطار دائرة اول السموت للعروض

[illegible]

وضعنا الجداول [illegible] وانا الفقير [illegible] عبد القادر [illegible] الكردي [illegible]